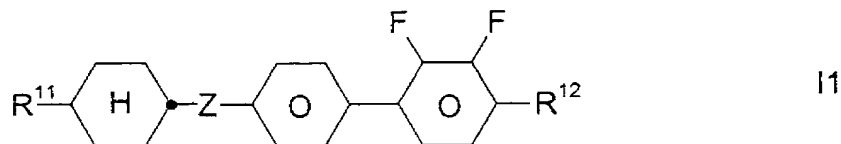
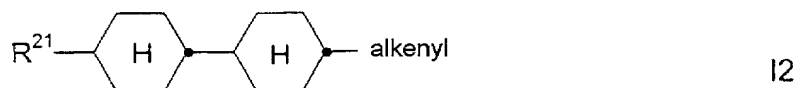


Claims:

1. A liquid-crystalline medium based on a mixture of polar compounds having negative dielectric anisotropy, comprising at least one compound of formula I1




and at least one compound of formula I2



in which

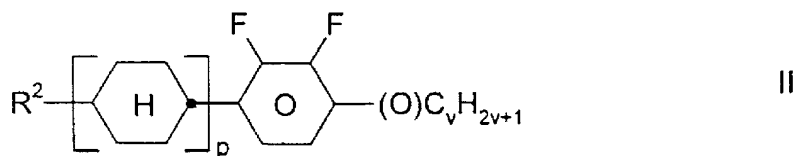
R^{11} , R^{12} and R^{21} are each, independently of one another, alkyl or alkenyl having up to 15 carbon atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, where one or more CH_2 groups in these radicals may also, in each case independently of one another, be

replaced by -O-, -S-, , - $C\equiv C$ -, -CO-, -CO-O-, O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

Z is $-C_2H_4-$, $-CH=CH-$, $-CF_2O-$, $-OCF_2-$ or a single bond, and

alkenyl is straight-chain alkenyl having 2-6 carbon atoms.

2. The medium according to claim 1, additionally comprising at least one compound of formula II



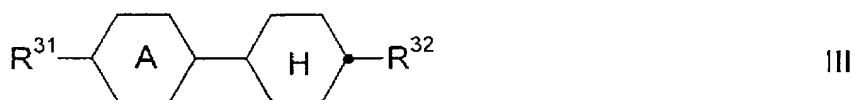
in which

R^2 is independently as defined for R^{11} , R^{12} and R^{21} ,

p is 1 or 2, and

v is 1 to 6.

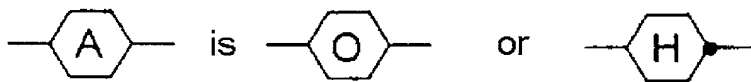
3. The medium according to claim 1, additionally comprising at least one compound of formula III



in which

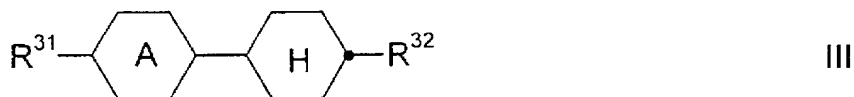
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R^{31} and R^{32} are each, independently of one another, a straight-chain alkyl or alkyloxy radical having 1-12 carbon atoms, and



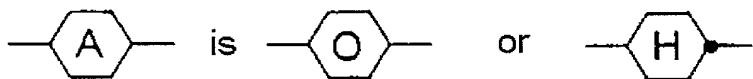
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4. The medium according to claim 2, additionally comprising at least one compound of formula III



in which

R^{31} and R^{32} are each, independently of one another, a straight-chain alkyl or alkyloxy radical having 1-12 carbon atoms, and



5. The medium according to claim 1, comprising at least three compounds of formulae I1 or I2.

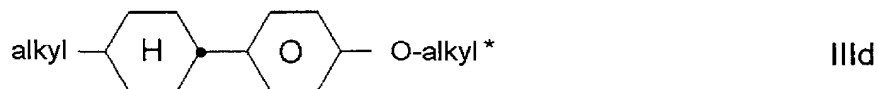
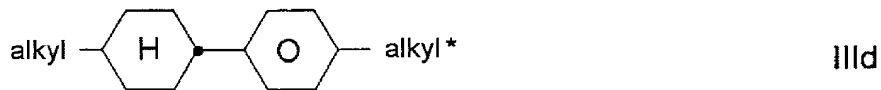
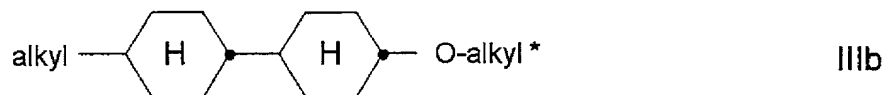
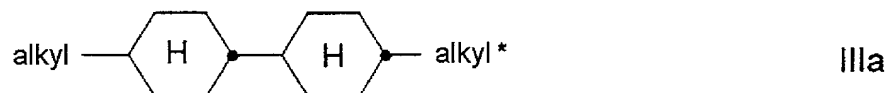
6. The medium according to claim 1, having a proportion of compounds of formula I1 in the total mixture of at least 10% by weight.

7. The medium according to claim 1, having a proportion of compounds of formula I2 in the total mixture of at least 5% by weight.

8. The medium according to claim 2, having a proportion of compounds of formula II in the total mixture of at least 20% by weight.

9. The medium according to claim 3, having a proportion of compounds of formula III in the total mixture of at least 5% by weight.

10. The liquid-crystalline medium according to claim 3, comprising at least one compound of formulae IIIa to IIIId:

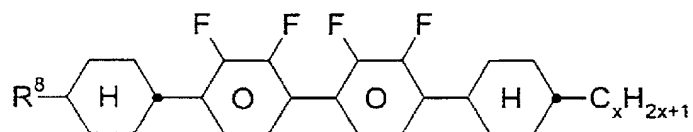
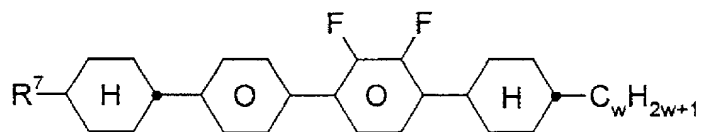


in which

5 alkyl and
alkyl* are each, independently of one another,
straight-chain alkyl having 1-6 carbon
atoms.

10 11. The liquid-crystalline medium according to claim
10, comprising at least one compound of formula
IIIa, at least one compound of formula IIIb, or a
mixture thereof.

15 12. The liquid-crystalline medium according to claim 1,
additionally comprising at least one compound of
the formulae



in which

R⁷ and R⁸ are each, independently of one another,
as defined for R¹¹, R¹² and R²¹, and

w and x are each, independently of one another,
from 1 to 6.

13. The liquid-crystalline medium according to claim 2,
comprising

10 10-40% by weight of at least one compound of
formula I1,

5-30% by weight of at least one compound of
formula I2,

15 and

20-70% by weight of at least one compound of
formula II.

14. An electro-optical display having active matrix
addressing based on ECB effect or IPS effect,
comprising as a dielectric, a liquid-crystalline
medium according to claim 1.

15. An electro-optical display comprising, as a
dielectric, a liquid-crystalline medium according
to claim 1.

16. An electro-optical display comprising, as a
dielectric, a liquid-crystalline medium according
to claim 2.

17. An electro-optical display comprising, as a
dielectric, a liquid-crystalline medium according
to claim 3.